

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

David M. **DECKER** and Stephen **ROBY**

Appln. No.:

Filed: **September 12, 2003**

For: **METHOD OF MAKING TURBOCHARGER INCLUDING
CAST TITANIUM COMPRESSOR WHEEL**

Attorney Docket No.: **DKT01021C**

**INFORMATION DISCLOSURE STATEMENT
UNDER 37 C.F.R. §1.97 and §1.98**

Mail Stop: **Patent Application**
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the following documents for the above-identified application. Copies of the documents set forth below and listed on the attached Form PTO-1449 are provided herewith.

1. U.S. Patent 2,399,852
2. U.S. Patent 2,422,615
3. U.S. Patent 4,705,463
4. U.S. Patent 6,164,931
5. U.S. Patent 6,019,927
6. U.S. Patent 5,639,217
7. U.S. Patent 4,093,401
8. U.S. Patent 4,060,337
9. U.S. Patent 5,215,439

U.S. PATENT APPLICATION
SERIAL NO.:
INFORMATION DISCLOSURE STATEMENT

ATTY DOCK: DKT01021C

10. U.S. Patent 4,850,802
11. U.S. Patent 5,494,096
12. U.S. Patent 4,139,046
13. U.S. Patent 5,247,894
14. U.S. Patent 6,123,539
15. U.S. Patent 5,705,204
16. U.S. Patent 5,114,657
17. U.S. Patent 4,975,041
18. U.S. Patent 4,556,528
19. Japanese Patent 58-195098 and abstract
20. Japanese Patent 58-170899 and abstract
21. Howmet Titanium Castings, received April 6, 1997, 18 page brochure
22. J.H. Boyle, "Production of Integrally-Cast Airfoil Components for Small Gas Turbine Engines", ASME Publication presented March 4-March 8, 1962 at the Gas Turbine Power Conference and Exhibit, Houston, TX

The present Information Disclosure Statement is being filed (1) no later than three months from the application's filing date, or (2) before the mailing date of the first Office Action on the merits and, therefore, no Certification Under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

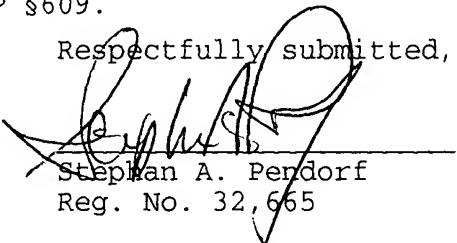
The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

U.S. PATENT APPLICATION
SERIAL NO.:
INFORMATION DISCLOSURE STATEMENT

ATTY DOCK: DKT01021C

Applicant respectfully requests that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

Respectfully submitted,


Stephan A. Pendorf
Reg. No. 32,665

Pendorf & Cutliff
5111 Memorial Highway
Tampa, Florida 33634-7356
(813)886-6085

Dated: **September 12, 2003**

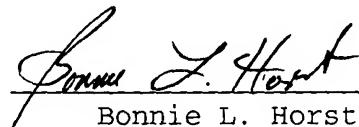
EXPRESS MAIL CERTIFICATE

"EXPRESS MAIL" MAILING LABEL NUMBER: **EV330254639US**

DATE OF DEPOSIT: **September 12, 2003**

I HEREBY CERTIFY that the foregoing foregoing INFORMATION DISCLOSURE STATEMENT, Form PTO-1449 and twenty-two references for U.S. Application No. 10/NEW filed September 12, 2003, and a stamped receipt post card are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. §1.10 on the date indicated and is addressed: **ATTN: MAIL STOP PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

The Commissioner is hereby authorized to charge any additional fees that may be required at any time during the prosecution of this application, except for the issue fee, without specific authorization, or credit any overpayment, to Deposit Account Number 16-0877.



Bonnie L. Horst

INFORMATION DISCLOSURE CITATION <i>(Use several sheets if necessary)</i>				ATTY DOCKET NO. DKT01021C	SERIAL NO.	
				Decker, et al.		
				FILING	GROUP	

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	US-4705463-B1	11-1987	Joco	416	241R	
	US-6164931-B1	12-2000	Norton et al.	416	241R	
	US-6019927-B1	02-2000	Galliger	264	221	
	US-2422615-B1	06-1947	Halford	416	188	
	US-5639217-B1	06-1997	Ohtsuki et al.	416	183	
	US-2399852-B1	05-1946	Campbell et al.	416	188	
	US-4093401-B1	06-1978	Gravelle	416	185	
	US-4060337-B1	11-1977	Bell, III	416	186R	
	US-5215439-B1	06-1993	Jansen et al.	416	183	
	US-4850802-B1	07-1989	Pankratz et al.	416	241R	
	US-5494096-B1	02-1996	De Antonio Gonalons et al.	164	45	

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	JP-58-195098-A & Abst.	11-1983	Japan	416	188		✓
	JP-58-170899-A & Abst.	10-1983	Japan	416	188		✓

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

		Howmet Titanium Castings, received 04/06/77, 18 page brochure		
		J.H. Boyle, "Production of Integrally-Cast Airfoil Components for Small Gas Turbine Engines", ASME Publication presented March 4- March 8, 1962 at the Gas Turbine Power Conference and Exhibit, Hou		TX

EXAMINER	DATE CONSIDERED
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	US-5247984-B1	09-1993	Stanciu	164	45	
	US-4139046-B1	02-1979	Stanciu	164	45	
	US-6123539-B1	09-2000	Miller	425	441	
	US-5705204-B1	01-1998	Hofmeister et al.	425		
	US-5114657-B1	05-1992	Miyajama	425	441	
	US-4975041-B1	12-1990	Fries et al.	425	441	
	US-4556528-B1	02-1985	Gersch et al.	264	221	

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